AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

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HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

May 1958

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METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	61.0	60.8	62.4	61.4	23.5	15.1	19.7	22.1	17.4	19.7
2	62.2	62.5	63.6	62 8	22.3	15.7	18.8	21.9	17.3	19.3
3	64.0	64.3	63.9	64.1	23.0	16.5	20 2	22.5	17.0	19.9
4	63.5	63.3	64.0	63.6	23.0	15.4	19.0	22.2	17.5	19.6
5	64.9	63.7	64.0	64.2	23.8	15.6	21.4	22.4	18.0	20.6
6	62.5	61.7	61.9	62.0	23.1	15.6	21.0	20.8	17.2	19.7
7	62.1	61.7	62.8	62.2	23.0	16.2	21.2	22.3	18.0	20.5
8	63.8	63.8	64.2	63.9	24.6	17.2	21.0	24.0	18.6	21.2
9	62.5	61.1	60.1	61.2	24.8	18.2	21.4	24.0	19.0	21.5
10	59.5	59.6	60 6	59.9	22.2	18.0	20.0	20.8	19.0	19.9
11	61.6	61.4	62.0	61.7	24.4	18.1	21.5	22.6	19.0	21.0
12	62.1	61.3	59.4	60.9	26.2	21.2	22.6	25.6	23.7	24.0
13	57.3	58.4	58.7	58.1	36.6	23.1	31.4	25.8	23.3	26.8
14	60.5	60.3	60.6	60.5	27.8	19.1	24.6	27.5	21.0	24.4
15	60.4	60.3	60.7	60.5	28.0	18.6	23.7	25.7	20.8	23.4
16	60.8	60.6	60.7	60.7	25.9	19.3	23.2	24.6	20.7	22.8
17	61.5	61.3	61.2	61.3	27.1	19.6	24.6	26.7	21.2	24.2
18	60.8	59.0	57.9	59.2	27.2	19.9	25.5	27.0	21.7	24.7
19	57.5	56.9	56.6	57.0	26.9	19.6	23.0	26.6	21.3	23.6
20	57.7	57.8	58.2	57.9	26.7	19.6	24.0	26.2	21.8	24.0
21	59.6	60.1	59.7	59.8	26.2	20.6	23.6	25.6	21.1	23.4
22	61.0	60.6	60.5	60.7	27.4	21.0	24.0	26.6	22.7	24.4
23	61.3	60.7	60.7	60.9	27.0	19.5	25.4	26.0	20.7	24.0
24	60.5	60.3	60.5	60.4	26.4	19.6	24.0	25.6	21.3	23.6
25	59.8	59.1	59.0	59.3	26.8	19.1	23.7	26.0	21.5	23.7
26	57.1	56.2	57.0	56.8	26.8	19.3	24.2	26.0	21.1	23.8
27	56.8	56.4	56.8	56.7	27.2	19.8	24.4	26.6	21.6	24.2
28	56.5	56.3	56.7	56.5	27.0	19.8	24.2	26.2	21.3	23.9
29	57.4	57.2	57.1	57.2	27.6	19.7	24.0	26.2	22.0	24.1
30	57.0	56.7	56.9	56.9	27.7	20.2	24.2	27.2	22.1	24.5
31	57.1	57.1	57.0	57.1	27.7	20.2	24.0	27.2	24.0	25.1
	60.33	60.02	60.19	60.17	26.06	18.72	23.02	24.85	20.42	22.76

Barometer, range for month 764.9 mm. — 756.3 mm.
„ 71-yr. average for month 759.50 mm.
Thermometer, range for month 36.6°C — 15.1°C
„ 71-yr. average for month 22.48°C
Rain total for month 1.61 mm.
„ 71-yr average for month 18.15 mm.
„ Total, Sept. 1st. to end of month 854.51 mm.
„ 71-yr average. Sept. 1st. to end of month 888.15 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	15.8	16.3	13.3	15.1	69	62	66	66	9.9	377	
2	14.8	15.0	13.1	14.3	68	57	66	63	7.0	396	1.61
3	12.9	15.0	14 6	14.2	54	54	75	61	11.2	282	
4	15.0	15.3	15.0	15.1	68	57	75	67	10.0	214	
5	15.5	16.3	13.7	15.2	60	60	67	62	12.7	40	
6	15.0	13.7	14.0	14.2	60	55	72	62	10.7	71	
7	14.8	16.2	16.5	15.8	59	60	80	66	12.6	85	
8	17.8	18.9	17.7	18.1	72	64	81	72	11.9	89	
9	19.4	19.7	16.9	18.7	75	66	77	73	12.4	138	
10	18.6	18.0	17.7	18.1	79	73	81	78	0.2	77	
11	19.5	19.0	18.7	19.1	75	70	86	77	5.0	76	
12	20.0	21.5	17.3	19.6	73	66	60	66	11.3	156	
13	13.9	18.1	15.9	16.0	31	53	55	46	6.4	150	
14	18.3	16.3	20.8	18.5	60	43	86	63	11.3	209	
15	19.7	21.3	20.8	20.6	68	65	85	73	11.9	71	
16	20.9	20.9	20.7	20.8	73	68	85	75	12.3	85	
17	20 1	24.3	21.5	22.0	65	70	86	74	12.1	148	
18	21.0	24.8	22.9	22.9	64	70	88	74	12.7	154	
19	21.1	23.2	22.9	22.4	75	67	91	78	10.9	100	
20	23.0	23.5	23.2	23.2	78	69	89	79	12.2	185	
21	21.4	21.1	19.5	20.7	74	65	86	75	12.2	111	
22	19.7	22.8	23.8	22.1	66	66	86	73	9.3	183	
23	22.7	20.3	17.7	20.2	70	61	72	68	11.7	122	
24	18 0	18.8	18.1	18.3	61	58	72	64	11.7	229	
25	19.2	19.6	18.7	19.2	66	58	72	65	12.6	145	
26	18.7	18.5	18.2	18.5	62	55	72	63	12.9	89	
27	18.6	21.2	20.6	20.1	61	61	79	67	11.4	113	
28	19.6	21.1	20.4	20.4	65	62	80	69	12.5	90	
29	20.6	20.2	19.7	20.2	70	59	74	68	9.4	95	
30	19.6	20.7	20.3	20.2	65	57	76	66	10.6	113	
31	20.1	22.1	19.7	20.6	68	61	66	65	10.0	117	
	18.56	19.47	18 51	18.85	66.2	61.7	77.0	68.3	10.61	145.48	0.05

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7st	4cu-st	6ci-st	5.7	2w	3sw	2sw	light	
2	10cu-st	7cu-st	7ci-st	8.0	3sw	3sw	2sw	,,	
3	3cu-st	6cu-st	7ci-st	5.3	2sw	2w	1sw	,,	
4	7ci-st	0	10cu-st	5.7	1nw	3nw	1nw	,,	
5	0	0	6cu-ci	2.0	2w	2w	3sw	,,	
6	1cu	10st	0	3.7	2nw	2w	2w	light	
7	0	0	0	0.0	2ne	2n	1ne	,,	D.p.m
8	0	3st	0	1.0	2sw	3sw	2sw	,,	D.p.m
9	0	0	0	0.0	2nw	2ne	3ne	,,	D.p.m
10	10st	10st	10st	10.0	1ne	2sw	1n	,,	
11	10ci-st	10st	6ci	8.7	3w	2nw	1w	light	D.p.m
12	0	0	0	0.0	2sw	2ne	2ne	,,	
13	9st	10st	0	6.3	2e	2sw	0	,,	
14	0	0	0	0.0	3sw	3sw	3sw	,,	D.p.m
15	0	0	0	0.0	2sw	2sw	0	,,	D.a.m.p.m H.a.m.
16	0	0	0	0.0	1sw	2nw	2ne	light	D.a.m.p.m
17	0	0	0	0.0	1nw	2ne	2ne	,,	D.a.m.H.a.m.p.m
18	0	0	9st	3.0	2ne	2ne	2ne	,,	
19	0	0	0	0.0	2sw	2sw	2nw	,,	H.a.m.p.m D.p.m.
20	10ci	0	0	3.3	2sw	2sw	2sw	,,	H.a.m.p.m D.a.m.
21	0	0	0	0.0	3sw	2sw	2sw	light	H.a.m.p.m
22	5st	0	7st	4.0	2sw	2ne	3ne	,,	
23	5st	1st	0	2.0	2sw	2sw	2sw	,,	
24	4cu-st	1cu	1cu	2.0	2w	2w	3w	,,	
25	2cu-st	3ci-st	0	1.7	3nw	3ne	2e	,,	
26	3cu-st	0	1ci	1.3	2n	2sw	1sw	light	
27	0	3cu	1cu	1.3	2sw	2sw	2sw	,,	
28	1cu	2cu	1ci	1.3	2sw	2nw	2sw	,,	
29	3cu-st	5cu-st	0	2.7	1sw	2sw	2sw	,,	
30	10st	8cu-st	1cu-st	6.3	2sw	2sw	3w	,,	Tr.a.m
31	9st	7st-ci	4ci-st	6.7	2sw	2w	1w		
	mean			2.97					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	3	1	0	0	17	4	5	0	31
14:30	1	6	0	0	0	15	5	4	0	31
20:30	1	7	1	0	0	13	5	2	2	31
Total	3	16	2	0	0	45	14	11	2	93

Number of days with rain 1, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.08
Time of reading minus 2 hours equals G.C.T